

## AMENDED PATENT CLAIMS

1           1. (original) A system for preventing accidents in the  
2 operation of machine or apparatus (56), with:

3                   at least one user end device or terminal (2)  
4 with an output unit (10) for the transmission of authorizing user  
5 data signals through the body of a user, and

6                   at least one signal receiver (28) assigned to  
7 the monitored apparatus or machine (56) having an interface unit  
8 (30) for receiving signals transmitted through the body of the  
9 user, unit (36-40, 44-48) for checking the received user data  
10 dealing with authorization and units (42, 50, 54) for outputting a  
11 clearance signal that allows an operation of the at least one  
12 machine or apparatus (56) after a successful test of the received  
13 authorizing user data, whereby

14                   the signal receiver (28) is equipped and  
15 programmed to terminate the output of the clearance signal follow-  
16 ing a successful test of the authorization data, when subsequent  
17 tests of the authorization data fail.

1           2. (original) The system according to claim 1 wherein  
2 the output unit (10) of the user end device or terminal (2) com-  
3 prises a coupling unit (4) for the inductive and/or capacitive  
4 coupling of the authorizing user data signal into the body of the  
5 user.

1           3. (currently amended) The system according to claim 1  
2 ~~or claim 2~~ in which the output unit (10) of the user end device or  
3 terminal (2) has a contact region (6) for direct coupling of the  
4 authorizing user data signal into the body of the user and/or a  
5 signal output (8) for transmitting the signals comprising the  
6 authorization user data to a device directly connected with the  
7 body of the first user.

8           4. (currently amended) The system according to ~~one of~~  
9 ~~the preceding claims~~ claim 1 in which the user end device or  
10 terminal (2) is equipped and programmed to transmit signals which  
11 comprise a code giving authorization to the user and control  
12 commands for controlling the signal receiver (28).

1           5. (currently amended) The system according to ~~one of~~  
2 ~~the preceding claims~~ claim 1 in which the interface unit (30) of  
3 the signal receiver (28) comprises a contact sensitive unit which  
4 receives the signals from the user end device or terminal (2) upon  
5 contact of the contact sensitive unit with the user.

1           6. (currently amended) The system according to ~~one of~~  
2 ~~the preceding claims~~ claim 1 in which the interface (30) of the  
3 signal receiver (28) has an inductive and/or capacitive unit for  
4 receiving the signals of the user end device or terminal (2) by  
5 means of inductive and/or capacitive signal transmission.

6           7. (currently amended) The system according to ~~one of~~  
7 ~~the preceding claims~~ claim 1 in which the unit (36-40, 44-48) of  
8 the signal receiver (28) or testing the authorizing data, comprise  
9 a correspondence register (46) with at least two storage or memory  
10 location or data or testing the authorizing data.

1           8. (currently amended) The system according to ~~one of~~  
2 ~~the preceding claims~~ claim 1 in which the signal receiver (28) is  
3 equipped and programmed depending upon the received signal from the  
4 user end device or terminal (2) to access data for testing the data  
5 to serve as authorization data.

1           9. (currently amended) The system according to ~~one of~~  
2 ~~the preceding claims~~ claim 1 in which at least one user end device  
3 (2) is arranged in or on protective clothing.

1           10. (currently amended) A user end device or terminal  
2 (2) for use with the system according to ~~one of the preceding~~  
3 ~~claims~~ claim 1 with an output unit (10) for transmitting authoriz-  
4 ing data signals through this body of a user.

1           11. (original) A user end device or terminal (2)  
2 according to claim 10 with the features according to one of claims  
3 2 - 4.

1            12. (currently amended) A user end device or terminal  
2            (2) according to ~~claims 10 or 11~~ claim 10, for arrangement on or in  
3            protective clothing.

4            13. (currently amended) A signal receiver (28) for use  
5            with the system according to ~~one of claims 1—9~~ claim 1 with:

6                    an interface (30) for receiving through a body  
7            of a user signals comprising authorization data and transmitted  
8            through the body of the user,

9                    units (36-40, 44-48) for testing the received  
10            authorizing data, and

11                    units (42, 50, 54) for producing a clearance  
12            signal upon a successful test of the authorizing data, whereby the  
13            signal receiver (28) is equipped and programmed to terminate the  
14            clearance signal outputted as a result of a successful test of the  
15            authorizing data when subsequent tests of the authorizing data  
16            fail.

1            14. (original) The signal receiver (28) according to  
2            claim 13 with the features according to one of claims 5 - 9.

3            15. (currently amended) Protective clothing, like for  
4            example a protective helmet, protective glasses or goggles, safety  
5            shoes and the like with the user end device or terminal (2) accord-  
6            ing to ~~one of claims 10—~~ claim 10.

7           16. (currently amended) A device or apparatus like a  
8 household appliance, electric and mechanical tool, machine tool or  
9 the like with the signal receiver (28) according to ~~claims 13 or 14~~  
10 claim 13.

1           17. (original) A hand grip device with a hand grip  
2 based body including a hand grip outer surface (7) which is engaged  
3 by an inner surface of the hand and has a segment forming a hand  
4 rest for the inner surface, whereby in the region of the hand inner  
5 surface rest at least one pressure sensitive zone (8) is formed for  
6 generating a signal indicating the hand grip gripping state.

1           18. (original) The hand grip arrangement of claim 17,  
2 characterized in that it includes a plurality of pressure sensitive  
3 zones (8).

1           19. (currently amended) The hand grip device according  
2 to ~~claims 17 or 18~~ claim 17 characterized in that the pressure  
3 sensitive zone forms part of a fluid chamber system (9).

1           20. (currently amended) The hand grip device according  
2 to ~~at least one of claims 17—19~~ claim 17, characterized in that  
3 the pressure sensitive zone is formed by an elastically deformable  
4 pressure chamber wall.

1           21. (currently amended) The hand grip device according  
2 to ~~at least one of claims 17—20~~ claim 17, characterized in that  
3 the pressure chamber is filled with a liquid, gel or gas.

4           22. (currently amended) The hand grip device according  
5 to ~~at least one of claims 17—21~~ claim 17, characterized in that  
6 the pressure chamber is coupled with a switch device.

1           23. (currently amended) The hand grip device according  
2 to ~~at least one of claims 17—22~~ claim 17, characterized in that  
3 the pressure chamber is coupled with a pressure measurement device.

1           24. (currently amended) The hand grip device according  
2 to ~~at least one of claims 17—23~~ claim 17, characterized in that  
3 the hand grip device in the region of the hand inner surface rest  
4 has pressure sensitive zones in the hand ball rest region and a  
5 finger inner surface rest region.

1           25. (currently amended) The hand grip device according  
2 to ~~at least one of claims 17—24~~ claim 17, characterized in that  
3 in the region of the hand grip device a plurality of individual  
4 finger inner surface pressure sensitive zones are provided.

1           26. (currently amended) The hand grip device according  
2 to ~~at least one of claims 17—25~~ claim 17, characterized in that

3 in the region of the hand grip device an orientation detecting  
4 device is provided.

5 27. (currently amended) The hand grip device according  
6 to ~~at least one of claims 17—26~~ claim 17, characterized in that  
7 the hand grip device is a hand grip of a drill.

1 28. (currently amended) The hand grip device according  
2 to ~~at least one of claims 17—27~~ claim 17 in which a signal  
3 transmitting device is coupled a signal to the user.

1 29. (original) The hand grip device according to claim  
2 28 characterized in that the signal transmitter device is so  
3 configured that it effects a signal coupling on the basis of  
4 electrostatic interaction.

1 30. (currently amended) The hand grip device according  
2 to ~~at least one of claims 17—29~~ claim 17, characterized in that  
3 in the hand grip device a signal modulating device is provided for  
4 the modulation of the signal imitated by the coupling device.

1 31. (currently amended) The hand grip device according  
2 to ~~at least one of claims 17—30~~ claim 17, characterized in that  
3 the signal is so modulated that it contains a dated telegram.

1                    32. (original) A power driven tool with a housing  
2    device, a first hand grip device (105), a second hand grip device  
3    (106) and a device for detecting the gripping state for producing a  
4    signal indicating the gripping state of the device.